**Chapter 20 Virus NOTES: Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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1. **Viruses----tiny, \_\_\_\_\_\_\_\_\_\_\_\_\_\_ particles. They do \_\_\_\_\_\_ grow or carry out \_\_\_\_\_\_\_\_\_\_\_\_\_. They \_\_\_\_\_\_\_\_\_ reproduce inside a \_\_\_\_\_\_\_ cell.**
2. **Strucure-----a virus consists of an \_\_\_\_\_\_\_\_ core of \_\_\_\_\_ or \_\_\_\_\_(never both) surrounded by \_\_\_\_\_ or \_\_\_\_\_ protein \_\_\_\_\_\_\_\_.**

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1. **Viruses have a \_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_, determined by the \_\_\_\_\_\_\_\_\_ coats. Viruses are \_\_\_\_\_\_\_\_\_ specific, with some being \_\_\_\_\_\_\_\_\_\_\_\_ specific.**
2. **Viral Reproductive Cycles**
	1. **Lytic Cycle----- Virus \_\_\_\_\_\_\_\_\_ the host cell’s \_\_\_\_\_, uses cell’s \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ make new viruses.**
	2. **Lysogenic Cycle---the viral nucleic acid (\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_) becomes a \_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_ cell, lays \_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_ with it.**
	3. **Provirus------virus is in the cell’s \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_.**
	4. **Retroviruses-----\_\_\_\_\_\_\_ viruses with the most \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cycles.**
3. **Origin of Virues----- \_\_\_\_\_\_\_\_\_\_\_\_\_\_---- maybe some \_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_ escaped from a \_\_\_\_\_\_ cell and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ a way to \_\_\_\_\_\_\_\_\_\_\_ as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

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**Video Questions: (circle your answer.)**

1. You can get rid of a viral infection using antibiotics. True or False
2. Viruses can reproduce on their own through the process of mitosis.  True or False
3. What instrument is often used to see a virus, due to the size of most viruses?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** Microscope

1. The cell can recognize when the virus injects its genetic material into the cell. True or False
2. The cell can survive without its cell membrane.  True or False
3. Which cycle allows viruses to remain dormant (hidden) for long periods of time? Lytic Cycle or Lysogenic Cycle